SRI SAIRAM ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

Name: Mrs.V.Valarmathi	**Photo**
Designation:	AP
Qualification:	M.Tech, (Ph.D.,)
Area of Specialization:	InformationTechnology
Experience:	Teaching : UG:15 PG:-1
	Industry:Nil
No.of workshop/FDP attended :	13
Publication:	Journal International: 3
	Conference National :1 International:6
Research Guidance:-	**Not Yet**
Membership:	IEEE

AREAS OFINTEREST:

- Machine Learning

- Artificial Intelligence

- Network Security

EDUCATION:

➢ Ph.Din Anna Univeristy– Confirmation Completed

➢ M.Tech.in Information Technology, Sathyabama University,2008-2010

➢ B.Tech.in Information Technology, Shri Andal Alagar College of Engineering,2001-2005

EXPERIENCE:

S.No	NameoftheInstitution	Designation	From	To
1	Sri Sairam Engineering College	Associate Professor	Sep 2024	Till date
2	Sri Sairam Engineering College	Assistant Professor	6.9.2021	Aug 2024
3	SKR Engineering College	Assistant Professor	21.6.2010	26.8.2021
4	Shri Andal Alagar College of Engineering	Lecturer	10.7.2006	16.6.2010

PATENTPUBLISHED:

➢ Published a patent on "A novel algorithm of active learning based on machine learning vector algorithm" on 17.1.2020

➢ Patent grant on " Wireless Vaccum Cleaner" on 30.10.2023

➢ Grant a patent on "System with Innovative Image Processing Techniques for Crack Detection and Analysis" on 4.10.2024

➢ Published a patent on ," A System For Smart Water Bottle Using Iot For Tracking And Monitoring An Individual's Health" 4.10.2024

ACHIEVEMENTS:

● Produced 100% Result in Design & Management Of Computer Networks in the Year 2013 – 2014 in SKR ENGINEERING COLLEGE

● Produced 90.90% Result in Computer Networks in the Year2007–2008 in SHRI ANDAL ALAGAR COLLEGE OF ENGG.

● Produced 92.4% Result in Operating System in the Year 2007 – 2008 in SHRI ANDAL ALAGAR COLLEGE OF ENGG.

CONFERENCE PRESENTATIONS AND PUBLICATIONS

1. V.Valarmathi, "Segmentation Of Vessel Bends In Optic Disc And Optic Cup For Glaucoma Screening", International Conference On Emerging Trends In Electronics Communication And Computing Technology(Icontech-2016)"

2. V.Valarmathi,"PreventingHumanShoulderSurfingandtoProvideResistantagainstPinEntry",

International Journal of Emerging Technology in Computer Science & Electronics, ISSN 0976-1353 Volume 13 Issue 01 March 2015.

3. S.Uma,V.Valarmathi,"Proficient Secret Transmission of Images And Message", International Journal Of Engineering And Computer Science", ISSN 2319-7242 Volume 3 Issue 9 September 2014 Page No. 8326-8331.

4. V.Valarmathi,"Multimediaamassedintellectualteaching",InternationalConferenceInTrends And Innovation In Language Teaching-TILT'14 ISBN 978-1-4799-7238-8/14/$31.00©2014 IEEE

5. M.Janani, V.Valarmathi,"A Framework For Personal Mobile Commerce Pattern 32Mining & Behavior Prediction Using Location Based Algorithm", Recent Advancements in Signal Processing and Communication (NCRASPC-2013), RMK College of Engineering And Technology.

6. R.Poorani,V.Valarmathi,"Graphical Role Mining Using Hybrid Role Engineering Approach", International Conference on Recent Trends in Computer Science and Engineering", http://docsdrive.com/pdfs/medwelljournals/ajit/2014/416-421.pdf

7. V.Valarmathi, " A Framework Using Location Based Algorithm For Personal Mobile Common Pattern Mining & Behavior Prediction", ICMEET-2K13 at Magna College of Engineering.

8. R.S.Deeba V.Valarmathi, "Nephele: Dynamic Allocation and Parallel Execution in Cloud", National Conference on Advances in Computing and Networking on February 11,2012 at SA Engineering College.

9. S.Suresh,R.Valarmathi,"Building an Offline Bar Code Scanners For Android",DRDO sponsored ICONIC 2012, Anand Institute of Higher Technology" ,www.iconic 2012.in.

10. V.Valarmathi, "Design and Implementation of Contactless Doorbell Using IOT", 2022 1st InternationalConferenceonComputer,PowerandCommunications,ICCPC2022- Proceedings, 2022, pp. 187–191

11. V.Valarmathi, "Animal Welfare and Health Abided System with Integrated Website", 2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI2022, 2022

12. V.Valaramthi, "Assessment of Student Attentiveness in Classroom Environment Using Deep Learning", 2023 International Conference on Circuit, Power and Computing Technologies (ICCPCT),2023

13. V.Valarmathi, "CHECK BUS - Bus Monitoring System for MTC Buses", 2023, " Intelligent Computing and Control for Engineering and Business Systems (ICCEBS)", 2023

JOURNAL PAPERS

1. V.Valarmathi, "Big data clustering and classification with improved fuzzy based deep architecture under Map Reduce framework" , Intelligent Decision Technologies, 2023

2. V.Valarmathi, "Enhancing IoT security in MANETs: A novel adaptive defense reinforcement approach", Peer to Peer Networking and Applications, 2024

3. V.Valarmathi, "Enhancing public safety: a hybrid Conv_Trans-OptBiSVM approach for real-time abnormal behavior detection in crowded environments" , Signal, Image and Video Processing,2024

FDP'S and Worshops:

1. Attended ATAL FDP on IOT and Transition to Internet of Brains (IOB) from20/9/2021to 24/9/2021 at Don Bosco Institute of Technology.

2. FDP on "RECENT ADVANCEMENT IN TECHNICAL DOMAINS" at SRMIST, Ramapuram

From 24th August to 07thSeptember 2020.

3. FDP on "CYBER SECURITY" at SRMIST, Ramapuram from 22nd Juneto26th June 2020.

4. Online FDP on "Recent Trends in Information, Computing,Communication and Teaching Methodology Competency" from 4th – 7th May 2020 at Sri Sai Ram Engineering College.

5. Online FDP on "ARTIFICIAL INTELLIGENCE" at Christian College of Engineering & Technology from 22nd – 26th May 2020.

6. FDP organized by Spoken Tutorial Project,IIT Bombay from20th April 2020 to 30th April 2020 remotely at Easwari Engineering College.

7. FDP for Student Induction organized by AICTE at Anna University, Chennai from 13th to 15th May 2019.

8. AttendedsevendaysFDTPon"DistributedSystems"onNovember27thtoDecember1st& December 18th - 19th December 2015 at MIT Chennai.

9. FDPon"MobileApplicationDevelopmentonAndroid"atSKREngineeringCollege, from January 4, 2016 to January 10, 2016.

10. Attended One Day Workshop on"Big Data" in VIT, Chennai on 5th May 2014.

11. Attended Faculty Development programme on "Computer Architecture" on 16.08.2014 to 18.08.2014 at Dhanalakshmi College of Engineering, Chennai.

12. Attended Two days Workshop on "Big Data Analytics" on 18.12.2014 to 19.0122014 at SKR Engineering College, Chennai.

13. Participated in One day Seminar on "Number Theory & Cryptography" in Rajalakshmi Engineering College on 5th& 6th August 2010.

NPTEL COURSES:

1. Cloud Computing

2. Big Data Computing

3. Introduction to Internet of Things

4. Design and Implementation of Human-Computer Interfaces

NITTR AICTE : Completed Module 1to Module 6 and Module 8 completed